Amendments to the Claims:

1. **(Original)** A probe holding device which includes a probe holding member for holding a blood flowmeter probe and which is used with the blood flowmeter probe when intracerebral blood flow is measured, wherein the probe holding member is allowed to be disposed in a position of being adjacent to and outside a temporal bone while the blood flowmeter probe is held by the member.

2. **(Original)** The device according to claim 1 wherein it comprises two probe holding members, and it further comprises a bridging part which bridges said probe holding members together.

3. **(Currently amended)** The device according to claim ~~1 or~~ 2 wherein the probe holding members and the bridging part are in the form of a sheet respectively, and an edge portion of each probe holding member is connected together to either edge portion of the bridging part.

4. **(Currently amended)** The device according to ~~any one of claims 1 to 3~~ claim 3 wherein it has a U-shape cross section in which the bridging part corresponds to a bottom bar of the U-shape cross section and the probe holding members correspond to legs of the U-shape cross section which extend from both ends of the bottom bar.

5. **(Currently amended)** The device according to ~~any one of claims 1 to 4~~ claim 4 wherein the U-shape cross section is provided by folding a sheet material.

6. **(Currently amended)** The device according to ~~any one of claims 1 to 5~~ claim 1 wherein the device is formed of a plastic material.

7. **(Currently amended)** The device according to ~~any one of claims 1 to 6~~ claim 1 wherein the probe holding member has a concave portion which is complementary to the form of the prove so that the probe can be fitted into the concave portion.

8. **(Currently amended)** The device according to ~~any one of claims 1 to 7~~ claim 1 wherein the probe holding member is able to hold also a temperature sensor.

9. **(Currently amended)** The device according to ~~any one of claims 1 to 8~~ claim 1 wherein the blood flowmeter probe is a probe for the laser-Doppler flowmetry.

10. **(Currently amended)** The device according to ~~any one of claims 1 to 8~~ claim 1 wherein the blood flowmeter probe is a probe for the ultrasonic-Doppler flowmetry.

11. **(Currently amended)** The device according to ~~any one of claims 1 to 10~~ claim 1 wherein the probe holding member has a size which allows the member to be positioned between a temporal muscle and a temporal bone.

12. **(Currently amended)** The device according to ~~any one of claims 1 to 11~~ claim 1 wherein the probe holding member has a size which allows the member to be positioned between a temporal muscle and a temporal bone of a rat or a mouse.

13. **(Currently amended)** The device according to ~~any one of claims 2 to 12~~ claim 2 wherein the bridging part further comprises a heating element.

14. **(Currently amended)** A blood flow measuring device which comprises

(1) the probe holding device according to ~~any one of claims 1 to 13~~ claim 1, and

(2) the blood flowmeter probe.

15. **(Original)** The blood flow measuring device according to claim 14 wherein the blood flowmeter probe is a probe for the laser-Doppler flowmetry or the ultrasonic-Doppler flowmetry.

16. **(Original)** The blood flow measuring device according to claim 15 wherein the probe holding device further comprises a temperature sensor.

17. **(Currently amended)** A production process for the probe holding member which is used for the probe holding device according to ~~any one of claims 1 to 13~~ claim 1, comprising

obtaining a master model which corresponds to a space defined by and between a temporal bone and a temporal muscle, and

then, molding a plastic material based on the obtained master model.

18. **(Original)** The production process according to claim 17 wherein the master model is obtained by pouring a curable material into the space defined by the temporal bone and the temporal muscle followed by curing the curable material in the space.

19. **(Original)** The production process according to claim 18 wherein the curable material is a silicone resin.